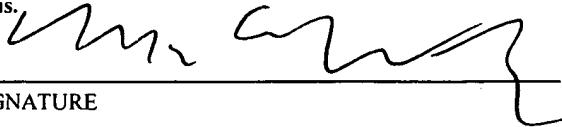


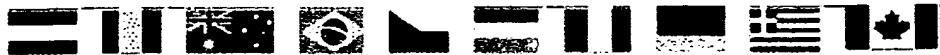
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 12406-213US1 P2004,0273 US N U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/593792
INTERNATIONAL APPLICATION NO. PCT/DE2005/000428	INTERNATIONAL FILING DATE March 10, 2005	PRIORITY DATE CLAIMED — March 31, 2004
TITLE OF INVENTION RADIATION DETECTOR		
APPLICANT(S) FOR DO/EO/US Arndt Jaeger, Peter Stauss and Reiner Windisch		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Certificate of Translation; International Search Report 		

CERTIFICATE OF MAILING BY EXPRESS MAIL
Express Mail Label No. EL 980032874 US
Date of Deposit: September 21, 2006

U.S. APPLICATION NO. (if known - see 37 C.F.R. 1.5) 10/593792		INTERNATIONAL APPLICATION NO. PCT/De2005/000428		ATTORNEY'S DOCKET NUMBER 12406-213US1 P2004,0273 US N					
<input checked="" type="checkbox"/> The following fees have been submitted									
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....\$300									
\$300.00									
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 All other situations.....\$200									
\$200.00									
23. <input checked="" type="checkbox"/> Search fee If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....\$400 All other situations.....\$500									
\$400.00									
Total of 21, 22 and 23 = \$900.00									
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.									
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE					
-100 =	/50=			X \$250					
\$0.00									
Surcharge of \$130 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(h)).									
\$0.00									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE						
Total Claims	29 - 20 =	9	x \$50						
Independent Claims	3 - 3 =	0	x \$200						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360						
TOTAL OF ABOVE CALCULATIONS = \$1,350.00									
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. Fees above are reduced by ½.									
SUBTOTAL = \$1,350.00									
Processing fee of \$130 for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(i)) + \$0.00									
TOTAL NATIONAL FEE = \$1,350.00									
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property + \$0.00									
TOTAL FEES ENCLOSED = \$1,350.00									
<table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$0.00</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$0.00</td> </tr> </table>						Amount to be refunded:	\$0.00	Amount to be charged:	\$0.00
Amount to be refunded:	\$0.00								
Amount to be charged:	\$0.00								
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$1,350.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>									
NOTE: Where an appropriate time limit under 37 C.F.R. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the International Application to pending status.									
SEND ALL CORRESPONDENCE TO:									
 SIGNATURE Marc M. Wefers, Ph.D., J.D.									
PTO Customer No: 26161 NAME 56,842									
REGISTRATION NUMBER 21431836.doc									

10/593792
IAP9/Rec'd PCT/PTO 21 SEP 2006

Transtek Associates, Inc.



September 18, 2006

This is a true and accurate translation, to the best of our knowledge and ability, of the German Document, (Transtek Document No. GE0801), submitted to Transtek Associates, Inc. for rendering into English.



A handwritten signature in black ink, appearing to read "Michele Phillips".

TRANSTEK ASSOCIATES, INC.
Michele Phillips, President